Faculty Profile



Name of the faculty: Dr. Sambhaji M. Pawar

Designation: Associate Professor & HOD, Director (R&D) **Department:** Physics

School: Physical & Chemical Sciences **Faculty:** Science and Technology

Mobile: 9665572111 **Email:** sambhaji.pawar@phys.sguk.ac.in

Education qualification:

Degree	University	Year of Passing
B.Sc. (Physics)	Shivaji University	2002
M.Sc. (Physics)	Shivaji University	2004
Ph.D. (Materials Science)	Shivaji University	2007

Experience (In years): **Teaching:** 13 yrs. **Industrial:** 2 yrs. **R&D:** 15 yrs

Area of specialization / Research: - Materials Science (Energy conversion & Storage devices)

Publication:

- **Journal: 152**
- **Conference: 25**
- **Books: 1, Elsevier Publication, 2024**

Patent Name: Electrosynthesis and characterization of Cu_2ZnSnS_4 (CZTS) thin films by single step electrodeposition method for solar cell application, Korean patent No: 10 -1093663 (2011)

Research Guidance: i) Ph.D.: 6 (pursuing) **ii) PG:** 3

Project Undertaken:

Sr.No.	Project details	Funding agency	Grants	Role	Status
1.	Development of Self-assembled Pervoskite Metal Oxide based Nanomaterials for Piezoelectronic Devices /SGU/ Research /Fund /2022-23/2065-1	SGU	Rs.1,95,000 /-	PI	Completed
2.	Cost-effective synthesis of Cu based MOF for Electrochemical Reduction of CO_2 to Clean Energy Fuel generation / SUR /2022/004010	DST-SERB	Rs.29,83,200 /-	PI	Ongoing

Association with other Universities / Professional Bodies / Industries / NGO etc.

- Maharashtra Academy of Sciences
- Subject expert: Shivaji University and D.Y. Patil University, Kolhapur
- Ph. D.Thesis evaluator: Vellore Institute of Technology (VIT),Vellore, Manonmaniam Sundaranar University, Tamil Nadu